GoldiAmerica.com

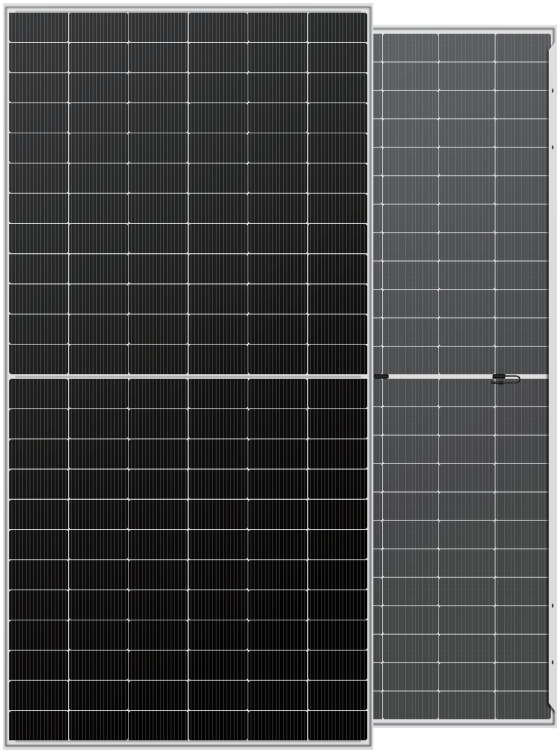
GOLDI AMERICA

N-Type

GAD72T

[575-600W]

Bifacial Dual Glass Half-Cut Mono N-Type



IEC 61215 / IEC 61730 / UL 61730

IS09001: 2015: Quality Management System

IS014001:2015: Environment Management System

IS045001:2018: Occupational Health And Safety Management System

KEY FEATURES

SMBB Technology

Better light trapping and current collection to improve module power output reliability

Lower Attenuation

Modules have better reliability and lower LID/LETID attenuation

Double Power Output

For higher power output, backside power output can be increased 5-25%

Wider Application

No water-permeability and high wear-resistance, can be widely used in high-humid, windy and dusty areas

PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control

Industrial Grade Construction

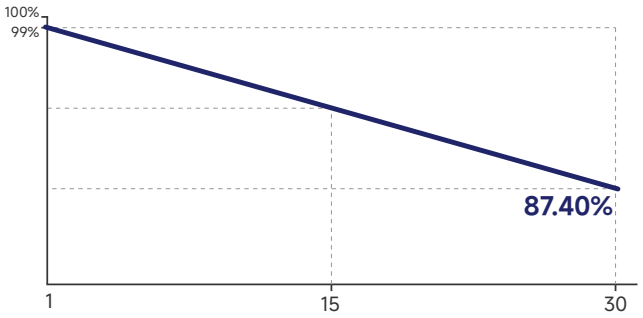
Fire Type 29 protection with dual-glass and a reinforced aluminum frame for maximum mechanical load and fire resistance.

Guaranteed Power Performance

25 Years Product Warranty

30 Years Linear Power Warranty

0.40% Annual Degradation Over 30 Years



As different markets have different certification requirements, please consult our Goldi America sales group to obtain the corresponding certification for the local market.

If any special requirements are needed for the specific installing environment, please feel free to contact Goldi America technical support department anytime.

GAD72T

575-600W

Bifacial Dual Glass Half-Cut Mono N-Type

Weight

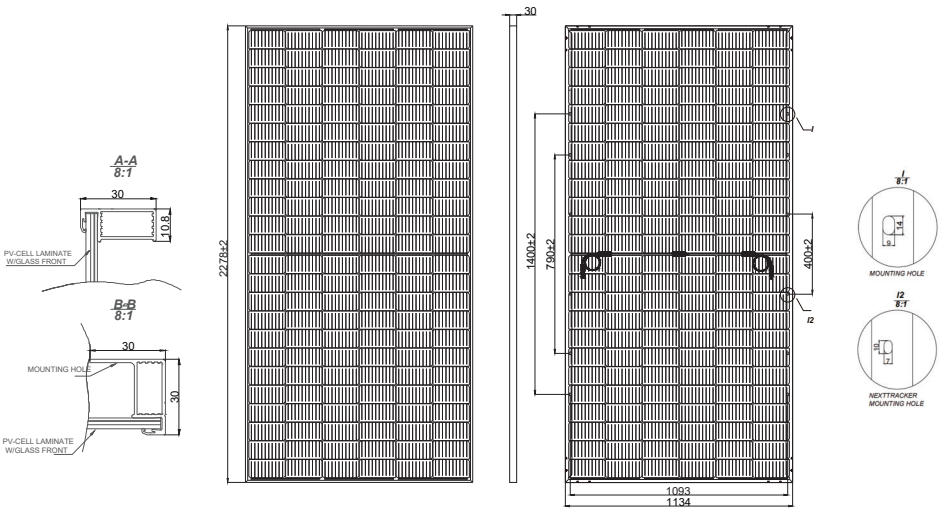
32 kg

Dimensions

2278*1134*30mm

Packaging

20 Pallets / 720pcs / 40' HQ Container
24 Pallets / 864pcs / 53' Trailer Truck



Front Side Back

OPERATING CONDITIONS

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V/DC
Maximum Series Fuse Rating	30A
Power Tolerance	0~+3%
Temperature Coefficients Of Pmax	-0.30%/°C
Temperature Coefficients Of Voc	-0.25%/°C
Temperature Coefficients Of Isc	0.046%/°C
Nominal Module Operating Temperature(NMOT)	43±2°C
*Under STC :BACKside Output Ration =Pmax(rear)/Pmax(front)	80%±5%

MECHANICAL CHARACTERISTICS

Cell Type	N type Monocrystalline 182.2*91.875mm
No. Of Cells	144 pcs in series (6x24)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 ,3Bypass Diodes
Output Cables	1400 mm in Length or Customized Length
Connectors	MC4/MC4-EVO2
Mechanical Load	5400Pa(Front)/2400Pa(Back)

ELECTRICAL PARAMETERS AT STC

Module Type	GAD72T-575WT	GAD72T-580WT	GAD72T-585WT	GAD72T-590WT	GAD72T-595WT	GAD72T-600WT
Maximum Power(Pmax)	575	580	585	590	595	600
Maximum Power Voltage (Vmp)	44.14	44.35	44.56	44.77	44.98	45.19
Maximum Power Current (Imp)	13.03	13.08	13.13	13.18	13.23	13.28
Open-Circuit Voltage (Voc)	52.49	52.67	52.85	53.03	53.21	53.39
Short-Circuit Current (Isc)	13.60	13.66	13.72	13.78	13.84	13.90
Module Efficiency STC (%)	22.26%	22.45%	22.65%	22.84%	23.03%	23.23%

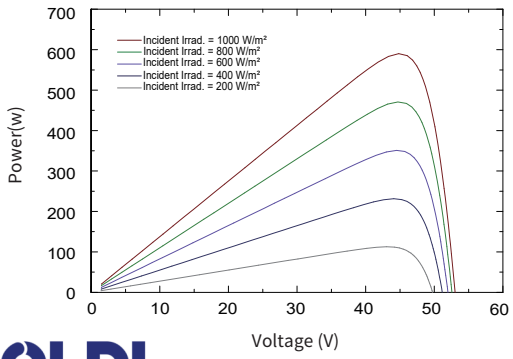
STC: Irradiance 1000W/m², AM=1.5, Cell temperature 25°C.

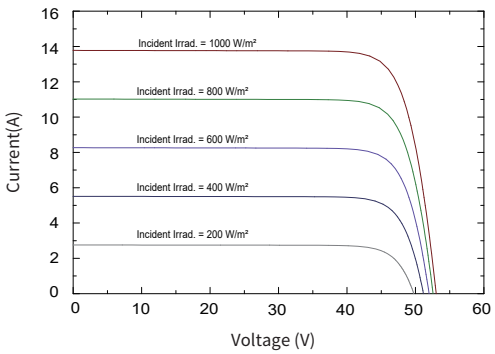
ELECTRICAL PARAMETERS AT BSTC**

Maximum Power(Pmax)	636	641	647	652	658	664
Maximum Power Voltage (Vmp)	44.14	44.35	44.56	44.77	44.98	45.19
Maximum Power Current (Imp)	14.41	14.46	14.52	14.57	14.63	14.70
Open-Circuit Voltage (Voc)	52.49	52.67	52.85	53.03	53.21	53.39
Short-Circuit Current (Isc)	15.03	15.10	15.17	15.23	15.30	15.37
Module Efficiency BSTC (%)	24.62%	24.81%	25.05%	25.24%	25.47%	25.70%

**BSTC: Front side irradiation 1000W/m², Back side reflection iradiation 135W/m², AM=1.5, Cell temperature 25°C.

IV-CURVE





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